

Xiang-Yang Mao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of drawing strain rate on microstructure and mechanical properties of cold-drawn pearlitic steel wires. <i>Journal of Materials Science</i> , 2022, 57, 8924-8939.	3.7	2
2	The deformation behavior of the gradient nanostructured microstructure of low-carbon steel under the tensile stress. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 844, 143209.	5.6	9
3	Tribological behavior of mineral and synthetic ester base oil containing MoS ₂ nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 493-502.	2.4	5
4	Study on the Stability of Microstructure and Mechanical Properties of Gradient Refined Microstructure on Low-Carbon Steel Surface. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5667-5672.	2.5	3
5	Effect of loads on wear behavior of carbon steel surface with gradient microstructure at high temperature. <i>Materials Letters</i> , 2020, 261, 126999.	2.6	2
6	Effect of Annealing Temperature on Surface Gradient Fine Microstructure and Wear Resistance of Low-Carbon Steel. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 6952-6959.	2.5	6
7	FINITE ELEMENT ANALYSIS OF EQUIVALENT STRESS INDUCED BY SURFACE PUNCHING SEVERE DEFORMATION AIMED AT ALLOYING ON LOW-CARBON STEEL. <i>Surface Review and Letters</i> , 2020, 27, 1950096.	1.1	0
8	High-temperature wear properties of gradient microstructure induced by ultrasonic impact treatment. <i>Materials Letters</i> , 2019, 246, 178-181.	2.6	32
9	ENHANCEMENT OF MECHANICAL PROPERTIES AND CORROSION RESISTANCE OF LOW-CARBON STEEL WITH GRADIENT MICROSTRUCTURE BY IMPACT PEENING AND RECOVERY TREATMENT. <i>Surface Review and Letters</i> , 2018, 25, 1850048.	1.1	1
10	Corrosion resistance behavior of gradient microstructure induced by punching deformation and recovery treatment on cupronickel alloy surface. <i>Rare Metals</i> , 2017, 36, 971-976.	7.1	2
11	Effect of stress-temperature coupling on gradient alloying induced by punching severe deformation. <i>Journal of Alloys and Compounds</i> , 2016, 662, 436-440.	5.5	4
12	A study on nanoscale gradient alloying induced by a punching deformation process on low carbon steel. <i>Materials Letters</i> , 2015, 158, 45-48.	2.6	3
13	Microstructure, mechanical, and corrosion properties of surface of CuNi alloy produced by punching and annealing treatment. <i>Rare Metals</i> , 2013, 32, 134-138.	7.1	4
14	Surface nanocrystallization by mechanical punching process for improving microstructure and properties of Cu-30Ni alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1694-1700.	4.2	13
15	Effect of annealing on microstructure and properties of Cu-30Ni alloy tube. <i>Journal of Materials Processing Technology</i> , 2009, 209, 2145-2151.	6.3	12